

FILMTECH²



FilmTech² Spray System

The CSI FilmTech² Aqueous Film Coating System has been designed and developed based on established industry standards for control of film coating, in a side vented coating pan.

Using atomised spray nozzles with spray width and cleaning pins, the FilmTech² automatically controls all aspects of nozzle use.

Designed for use with between 2 and 6 nozzles all standard sizes of machine can be operated.

Taking advantage of modern touch screen technology, the FilmTech² has as standard, many features available on other spray systems but with far more flexibility and better ergonomics.



Integration

The FilmTech² can be used independently or connected via Pneumatic or electric volt free signals to a machine control system. This allows for the replacement and upgrade from older systems such as the FilmTech or competitors systems.

Quality

All product contact parts are manufactured in 316 stainless steel and inspected at every stage to ISO9001 standard.

All solution hoses are FDA approved materials with industry standard connections.

A full material certificate can be supplied on request.
Pump heads are the industry standard Watson Marlow 313

Standard Features

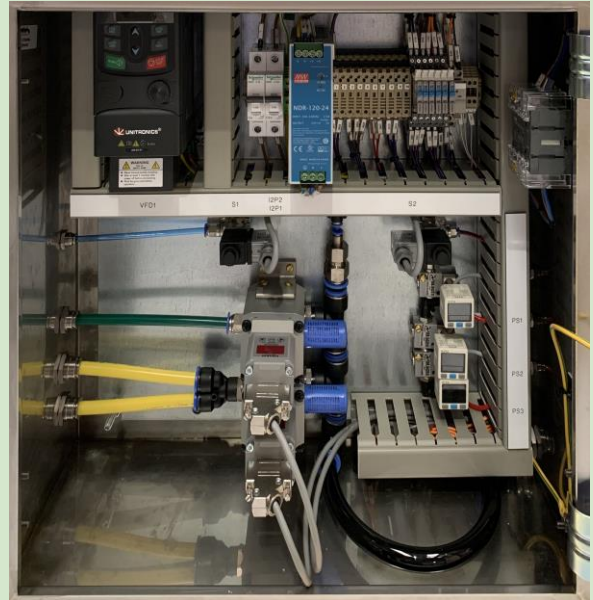
- **Automatic Sequencing Control** – All air signals are in a phased time control for nozzle operation.
- **Atomisation Control** - The unit allows you to control the air from a safety level up to 5 bar.
- **Spray Width** – Full control of Spray Pattern 0 to 5 bar.
- **Cleaning Pin** – Automatic timed Control of cleaning pin.
- **Low Atomization** - Air protection alarm
- **Nozzle Calibration** – Control screen.
- **Pump Run** - Time counter.



Standard Options

Software selectable options are standard on all units but enabled or disabled by administrator:

- **External Enable/Inhibit**, to prevent operation when conditions are not right.
- **External Start/Stop** for integration in to external control. (With running signal feedback).
- **Nozzle auto clean** for older nozzles requiring a time based cleaning system. (Time selectable).
- **Auto Stop** time based stopping of spray once duration is completed. (Pump run duration).
- **Minimum temperature** spray control for prevention of spraying if inlet or exhaust air is too cool. (External probe to be mounted in duct).
- **Low atomization** air limit to protect from nozzle splatter.



On Screen Help

All screens and functions have on screen help. A full manual is always available (in the office) but the FilmTech² has a comprehensive on screen help menu available anytime by pressing F3.

FilmTech² Specification

Controller (PLC & HMI)	Type	Unitronics
Electrical Connection (230V)	Type	Single Phase
Main Air Connection (5&6, 3&4 or 2 Nozzles)	mm	16, 12 or 10
Pump	Type	Peristaltic
Pump Type (Watson Marlow)	Model	313 (2.4mm)
Pump Speed	rpm	15 to 120
Number of Nozzles	Qty	2 to 6
Solution Pipe Size to Nozzle (OD)	mm	8
Solution Connection Hose to Trolley (Try Clover)	Inch	1
Trolley Weight	Kg	68
Trolley Height	mm	1011
Trolley Size (Maximum Dimensions)	mm	845 x 540
Trolley Size (Caster Foot Print)	mm	600 x 500

Equipment



Spray Control

Atomisation Air ON	3.00 bar
Spray Width Air ON	3.00 bar
Pump Running	50 rpm
Spray Running 00 : 00 : 28	
Start	Stop
Clean	